**Subject- Computer**

**Grade-8**

**Worksheet**

**Date- 20/2/2021**

***Answer the following questions:-***

**Q.1 What is Computer Network?**

Ans. A group of computers which are connected to each other and follow similar usage protocols for the purpose of sharing information and having communications provided by the networking nodes is called a Computer Network.

**Q.2 How many types networking can be classified?**

Ans. Networking can be classified into three types:

1. Types of Computer Networks
2. Topology
3. Interpreters (Network devices)

**Q.3 What is a node?**

Ans. Node is a device or data point in a larger network.

**Q.4 What is LAN?**

Ans. Local Area Network Systems connected in a small network like in a building or a small office.It is inexpensive.It uses Ethernet or Token-ring technology.Two or more personal computers can be connected through wires or cables acting as nodes.

**Q.5 Explain WAN.**

Ans.

* + A network which covers over a country or a larger range of people
  + Telephonic lines are also connected through WAN
  + Internet is the biggest WAN in the world
  + Mostly used by Government Organizations to manage data and information

**Q.6 What is BUS Topology?**

Ans. A bus topology is such that there is a single line to which all nodes are connected and the nodes connect only to the bus.

**Q.7 Explain Tree Topology.**

Ans.  In this type of topology nodes are connected in the form of a tree.

**Q.8 What is Network HUB.**

Ans. It is a small network device. It joins multiple computers together to form a single network segment. On this segment, all computers can interact with each other.

**Q.9 What is MODEM?**

Ans. This device converts digital signals into analog signals. It is always placed between a telephone and a computer system.

**Q.10 Explain Network Repeater?**

Ans. It is used to generate incoming electrical, wireless or optical signals